

```

/*Query 1A*/
SELECT CONCAT(s.nameL, ' ', s.nameF) as Name
FROM tp_student as s, tp_student_takes_class as stc, tp_section as sect
WHERE stc.sectionID = sect.sectionID AND stc.studentID = s.studentID and
sect.sectionNumber = '3605'
ORDER BY s.nameL;

```

```

/*Query 5A*/
select c.title as 'class taken', grade
from tp_course as c, tp_student_takes_class as stc, tp_section as s, tp_student as
student
where c.courseID=s.courseID and stc.sectionID=s.sectionID and
student.studentID=stc.studentID and student.studentID='1';

```

```

/*Query 7A*/
SELECT CONCAT(s.nameF, ' ', s.nameL) as Name, m.title as Major
FROM tp_student as s, tp_major as m, tp_advisor as a
WHERE s.advisor = 1 AND a.advisorID = s.advisor AND m.majorID = s.majorID
ORDER BY s.nameF ASC;

```

```

/*Query 3B*/
select distinct concat(f.nameF, " ", f.nameL) as name
from tp_faculty as f
where not exists(select * from
tp_course as c, tp_section as s
where c.courseID=s.courseID and c.instructor=f.facultyID and c.title="DP");

```

```

/*Query 4C*/
SELECT DISTINCT concat(s.nameF, ' ', s.nameL) as Full_Name, sem.title as Semester,
concat(c.courseNumber, ' ', c.title) as course, stc.grade as grade
FROM tp_student as s, tp_course as c, tp_section as sec, tp_semester as sem,
tp_student_takes_class as stc
WHERE stc.studentID = s.studentID
and sec.sectionID = stc.sectionID
and sem.semesterID = sec.semesterID
and sec.courseID = c.courseID
and c.prereq != "NULL"
and s.studentID NOT IN(
    SELECT DISTINCT s2.studentID
    FROM tp_student as s2, tp_course as c2, tp_section as sec2,
tp_student_takes_class as stc2
    WHERE s2.studentID = stc2.studentID
    AND sec2.sectionID = stc2.sectionID
    AND sec2.courseID = c2.prereq)
ORDER BY s.studentID;

```

```

/*Query 9C*/
SELECT CONCAT(s.nameF, ' ', s.nameL) as Name, SUM(c.creditHours) as creditHours,
m.title as Major, ROUND(SUM(((stc.grade/100)*4)*c.creditHours)/SUM(c.creditHours),
2) as GPA
FROM tp_student as s, tp_major as m, tp_student_takes_class as stc, tp_course as c,
tp_section as sect
WHERE s.studentID = stc.studentID AND stc.sectionID = sect.sectionID AND
sect.courseID = c.courseID
AND s.majorID = m.majorID

```

```
group by m.title, Name
having SUM(c.creditHours) >= 15;
```

```
/*ADDITIONAL QUERIES*/
```

```
/*Select all the names and emails of faculty in a specific department*/
SELECT CONCAT(f.nameF, ' ', f.nameL) as Name, fe.email as Email, d.title as
Department
FROM tp_department as d, tp_faculty as f, tp_faculty_email as fe
WHERE d.departmentID = f.departmentID AND f.facultyID = fe.facultyID AND d.title =
'business'
GROUP BY Name ASC;
```

```
/*Select all the rooms in a specific building with a specific feature*/
SELECT r.roomID as Room, b.name as Building, r.feature as Feature
FROM tp_room as r, tp_building as b
WHERE r.buildingID = b.buildingID AND b.name = 'Luddy Hall' AND r.feature =
'computer lab';
```

```
/*Select parents' name, phone number, and their child's email if their child's
email ends in ".com" */
select distinct concat(spa.nameF, " ", spa.nameL) as parent_name, spa.phone as
parent_phone, se.email as student_email
from tp_student_email as se, tp_student_parent as spa, tp_student_phone as sp
where spa.parentID=se.studentID and se.email like '%.com';
```